

What the invention claimed is:

1. An earpiece comprising a hollow cylindrical earpiece body and a diaphragm suspended at one end of said hollow cylindrical earpiece body.

5 2. The earpiece as claimed in claim 1, wherein said hollow cylindrical earpiece body has a peripheral wall of thickness equal to said diaphragm.

10 3. The earpiece as claimed in claim 1, wherein said hollow cylindrical earpiece body is shaped like a truncated cone.

4. An earpiece comprising a hollow cylindrical earpiece body, said hollow cylindrical earpiece having an open chamber axially extended through two distal ends thereof, and an end cap fastened to one end of said hollow cylindrical earpiece.

15 5. The earpiece as claimed in claim 4, wherein said hollow cylindrical earpiece body has an outside annular coupling groove disposed around the periphery of one end thereof, and said end cap has an inside annular coupling flange coupled to the outside annular coupling groove of said hollow
20 cylindrical earpiece body.

6. The earpiece as claimed in claim 4, wherein said hollow cylindrical earpiece body has an inside annular coupling

groove extended around an inside wall thereof near one end;
said end cap has a cap body plugged into one end of said hollow
cylindrical earpiece body, and an outside annular coupling
flange disposed around said cap body and forced into
5 engagement with the inside annular coupling groove of said
hollow cylindrical earpiece body.

7. An earpiece comprising a hollow cylindrical earpiece
body and an open chamber defined in said hollow cylindrical
earpiece body, said hollow cylindrical body a first end opened, a
10 second end closed, an outside annular groove disposed around
the periphery thereof near the close end, and a thin wall portion
surrounded by said outside annular groove.

8. The earpiece as claimed in claim 7, wherein said
hollow cylindrical earpiece body is shaped like a truncated
15 cone.

9. An earpiece comprising a tapered earpiece body, said
tapered earpiece body having a first end and a second end, a
plurality of axial holes axially disposed in said tapered earpiece
body and extended through the first end of said tapered earpiece
20 body, and a diaphragm disposed at the second end of said
tapered earpiece body.

10. An earpiece comprising a hollow cylindrical

earpiece body, two diaphragms respectively disposed at two distal ends of said hollow cylindrical earpiece body, an enclosed chamber defined in said hollow body between said diaphragms, and flexible conical skirts extended around the periphery of said hollow cylindrical earpiece body and axially spaced from one another.

11. The earpiece as claimed in claim 10, wherein said flexible conical skirts have different diameters arranged in proper order.